

SOURCE QUALIFICATION REQUIREMENTS
(PL98-525, SECTION 2319)

STOCK NR (NSN) 1620011096912

PART NUMBER (P/N) 68A412709-2001

NOUN: Nose wheel steering shimmy damper housing

AIRCRAFT: F-15

SECTION C

QUALIFICATION REQUIREMENTS THAT MUST BE SATISFIED TO BECOME A QUALIFIED SOURCE:

1. Because of the need for uninterrupted item support to military aircraft systems while keeping with the requirements of PL 98-525, the current acquisition need not and generally will not be delayed to provide an offeror an opportunity to qualify. Normal acquisition practices at OO-ALC should preclude the denial of opportunity to any interested offeror.
2. The offeror must provide a pre-contract award qualification article, which meets the requirements of the engineering drawings, material specifications, and process specifications. However, successful completion of the qualification testing does not guarantee any contract award. If the offeror is deemed qualified and awarded the contract, a post-contract award first article exhibit may be required to verify production capability.
3. The qualification article will be subjected to form, fit, and function verification as well as required testing to assure compliance with data list and other applicable procurement criteria. The qualification article shall demonstrate full compatibility and comparability with existing parts.
4. The required materials will be procured from a qualified source and shall meet the requirements of their respective specifications. The offeror will assure that the supplier has accomplished this and shall submit certified documentation of accomplishment of the above requirements to the purchaser along with the pre-contract award qualification article.
5. The required forgings shall be procured from the qualified forging source using the original certified forging procedures and dies. Forging material and lot qualifications shall be accomplished as required in the specified forging drawing, P/N 68A412709-2001 and specification MIL-A-22771. The offeror shall assure that this is or has been accomplished by the forging source and will submit certified documentation of accomplishment of the above requirements to the government along with the pre-contract award qualification article.
6. The qualification article once submitted will become subject to such testing as deemed necessary by the U.S. Government to prove that the article meets all dimensional, processing and functional requirements. Such testing may result in the destruction of the article. Following completion of necessary testing and evaluation, the article no matter what its condition shall be returned to the contractor or disposed of at his discretion and direction whether it was found acceptable or not.
7. Form verification: The U.S. Government's Quality Verification Center (QVC) will be used to insure compliance with the dimensional requirements of the article. Material and processing compliance will also be verified as required.
8. Fit/function verification: Existing components and government test stands and fixtures will be utilized to verify physical interface and functional performance of articles.
9. Testing for material and process compliance.
 - (a) Material analysis
 - (b) Heat treat
 - (c) Grinding
 - (d) Plating
 - (e) Finish
 - (f) Grain flow
 - (g) Other

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10. Remarks:

a. Organic verification capabilities exist at OO-ALC.

b. Testing requirements outside organic capabilities will be contracted out.

11. The estimated cost of government testing and evaluation is \$10000.

12. Maximum time for testing of the qualification article will not exceed 30 days from receipt at testing agency.

GUIDELINES FOR LANDING GEAR VENDOR QUALIFICATION BY SIMILARITY

- 1) A Vendor seeking to become qualified by similarity for an item will be required to submit the following data:
 - a) A complete data package of the item being procured if said data package is not available to the Air Force.
 - b) A complete data package of the similar item that the vendor has previously manufactured.
- 2) The vendor seeking qualification by similarity will provide a list of all value added items, if any, provided to the user of the similar item.
- 3) The vendor will provide verification from the user of the similar item that said item as manufactured by the vendor was delivered on time, and met all quality and performance requirements. The user may be a landing gear Original Equipment Manufacture (OEM), another vendor, or another DOD organization.
- 4) The potential source will provide a list of all processing vendors that are to be used by the potential source and certification that these vendors are qualified to the applicable Mil-Specs or OEM equivalents.
- 5) When the item to be procured requires a forging, a casting, special material, and/or special tooling, the vendor seeking qualification by similarity will provide written verification from the forging, casting, or other source that they will, in fact, provide the necessary forging, casting, or other special items if the vendor receives the contract. The written verification from the forging source will include the following statement:

“(Forging Vendor) will supply forging P/N (Forging Number) to any government approved source if the forgings are to be used to manufacture the (Noun), (P/N) as applicable to the US Air Force. (Forging Vendor) will further assure that the dies are original and unmodified and the forging will be accomplished using original, qualified techniques. Material quality, size, shape of the billet shall be the same as the original qualified product.”

In the event that the original forging dies/casting molds are not available, or it becomes more economical to develop new forging dies/casting molds, the potential source will be required to get similar verification from the forging/casting source that they will provide qualified forging dies/casting molds. The Government will be notified of the intent to obtain new dies/molds prior to award of the contract. The Government will pay for and have complete and unrestricted use of all dies/molds developed in this manner.
- 6) The vendor requesting qualification by similarity will provide documentation of all in house machining, processing, quality and production capabilities.
- 7) The vendor seeking qualification by similarity may at the discretion of the Government be required to produce a first article in connection with the contract. Failure to produce a first article that meets all drawing requirements may result in disqualification. Disqualification will be at the discretion of the Government.
- 8) The burden of proof regarding any of the above requirements rests with the potential source. The Government will not pursue authenticity verification. If the similarity proposal does not include all of the required information, it will be returned without approval.

REV.	ENGINEERING DATA REQUIREMENTS (ATTACHMENT "A")	
NOTE: MILITARY SPECIFICATIONS I/STANDARDS WILL NOT BE FURNISHED IN THE BID SET.		
1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF		
HOUSING-SHIMMY DAMPER, NLG		F-15
2. PART NUMBER 68A450901-1007	3. NATIONAL STOCK NUMBER 1620-01-109-6912	
4. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED. THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED.		
a. OO-ALC/LILE system engineering retains all rights to review and accept MRB'S prior to shipment of discrepant items. All deviations, minor and major, from the engineering drawing package will be submitted for MRB disposition.		
b. Prior to contract award, the contractor will certify to the government in writing full compliance with manuals, specifications, and standards called out and required for the manufacture of this contracted landing gear component/assembly. Contractor is responsible to completely search these manuals, specifications, and standards and fully understand the requirements necessary to manufacture landing gear components. Any questions can be forwarded to this office OO-ALC/LILE.		
c. Interpretation of dimensions and tolerances per drawing specification and ASME Y14.5 as an alternate to USASI Y14.5.		
d. Inspection requirements are as follows:		
1. Penetrant inspect per ASTM E1417, Type I, Level 3 or 4, Method B or C, in lieu of PS21202 Class A, with the following acceptance/rejection criteria: NO DEFECTS ALLOWED.		
2. This part is in inspection classification Grade A, IAW MIL-STD-1907. The intent of "NO DEFECTS" is that the NDI is conducted IAW the appropriate specification ASTM E1417, to the sensitivity level required and there will be no indication allowed. The inspector performing the inspection will be certified to level II with the inspection procedures developed b a level III as specified in MIL-STD-410.		
e. Shot peen per AMS-S-13165 as an alternate to PS14023. All other aspects of note 16 apply.		
f. Anodize per MIL-A-8625 Type II Class 1 as an alternate to PS13201.		
g. Hard Anodize per MIL-A-8625, Type III may be used as an alternate to PS 13208, remainder of note #18 is applicable regardless.		
h. Engrave marking per MIL-STD-130 may be used as an alternate to engrave marking per PS 16001.		
i. Finish per the following in lieu of note #27:		
1. Apply one coat Epoxy "waterborne primer per MIL-P-85582, Type I, Class 2. Alternate primer, one coat Epoxy-Polyamide per MIL-P-23377. Apply two top coats Polyurethane per MIL-C-85285, Type I, color #17925 (white) per FED-STD-595.		
2. Applies to paint finish only, all other finishes are before plug installation..		
j. Regulator P/N 68A450984-203 is a non-existent P/N. Regulator P/N 68A458014-203 is applicable per parts list. Drawing zone B18 is where erroneous P/N is identified.		
PREPARED BY Terry L. Jones	SYMBOL LGMPM	DATE 6 Apr 00

REV:	ENGINEERING DATA REQUIREMENTS CONTINUATION SHEET (ATTACHMENT "A")	
PART NUMBER 68A450901-1007	NATIONAL STOCK NUMBER 1620-01-109-6912	
<p>5. The required forging will be procured from the qualified forging source using the original certified forging procedures and dies/tooling.</p> <p>a. Prior to contract award the detail part bidder will provide certification, from the forging source, to the government that the certified dies and forging procedures are available and that the forging source has an agreement with the detail part bidder to provide forgings for their use in the event they are the successful bidder.</p> <p>b. Prior to production, forging lot qualification will be accomplished as specified on the forging drawing and MIL-A-22771. The contractor will assure that this is or has been accomplished by the forging source and will submit certified documentation of accomplishment to the Government. Ultrasonic inspection on each forging per MIL-STD-2154.</p> <p>FORGING SOURCE, CONTROL AND LOCATION OF DIES:</p> <p>1. FORGING DRAWING: McDonnell Douglas Co. Drawing Number: 68A450901 Die Number: 2776</p> <p>2. CONTROL OF FORGING PROCESS: McDonnell Douglas Co. St. Louis, MO.</p> <p>3. LOCATION OF FORGING DIES: W. Pat Crow 200 Luxton St. Fort Worth, Texas, 76101 Phone (817)-536-2861 Fax (817)-531-2196</p>		
PREPARED BY Terry L. Jones	SYMBOL LGMPM	DATE 6 Apr 00

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the government Issuing Contracting Officer for the Contract/PR No. in Block E.

[illegible]

02-100

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

- Item A. Self-explanatory.
- Item B. Self-explanatory.
- Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as 'Provisioning', 'Configuration Management', etc.
- Item D. Enter name of system/item being acquired that data will
- Item E. Self-explanatory (to be filled in after contract award).
- Item F. Self-explanatory (to be filled in after contract award).
- Item G. Signature of preparer.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for further definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g. Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when first submittal is required.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addresses and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional/clarifying information for items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use data shall be governed by the pertinent provisions of the contract.